EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	149	(715/534).CCLS.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/04/05 11:15
L2	62	L1 and (@ad<"19980401" or @rlad<"19980401")	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/05 11:32
L3	0	L2 and (emoticon$1 or smil$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/05 11:16
L4	25169	emoticon$1 or smil$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/05 11:16
L5	270	L4 and ((instant adj messag$6) and chat$4)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/04/05 11:30
L6	1	L5 and (@ad<"19980401" or @rlad<"19980401")	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/05 11:32
S1	2	("6684211").PN.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/04/05 11:15

S2	64	("5204947" | "5377354" | "5499109" | "5508817" | "5513126" | "5548789" | "5572643" | "5574843" | "5619648" | "5623603" | "5627764" | "5630060" | "5666542" | "5675507" | "5680619" | "5694163" | "5706502" | "5710883" | "5724574" | "5734835" | "5737599" | "5737619" | "5754700" | "5754765" | "5754851" | "5760773" | "5761673" | "5764235" | "5767846" | "5768505" | "5781741" | "5781785" | "5784058" | "5787470" | "5794039" | "5794259" | "5809512" | "5818435" | "5818447" | "5821926" | "5826102" | "5828839" | "5835683" | "5842020" | "5845299" | "5848415" | "5850446" | "5854893" | "5870544" | "5875322" | "5878223" | "5882202" | "5911776" | "5918012" | "5956491" | "5963217" | "5983190" | "5987503" | "5995093" | "6014688" | "6029164" | "6069622" | "6161107" | "6210172").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/17 17:16
S3	0	("6684211").URPN.	USPAT	OR	ON	2006/01/17 17:53
S4	2	("20040222972").PN.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/01/17 17:53
S5	380	(345/172).CCLS.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/01/18 11:33
S6	5388	(707/10).CCLS.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/01/18 11:27
S7	0	("2004/0222972").URPN.	USPAT	OR	ON	2006/01/18 11:29
S8	448	(Internet or web) and messager or (multimedia adj communicat$3)and text and image and object	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/18 11:38
S9	164	propert$4 and S8	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/18 11:38

S10	169	sender and S8	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/18 12:19
S11	0	("2005/0259652").URPN.	USPAT	OR	ON	2006/01/18 11:43
S12	0	"IM" and (instant adj messag$6) and chat&4 and S8	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/18 12:22
S13	0	IM and (instant adj messag$6) and chat&4 and S8	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/18 12:27
S14	0	IM and (instant adj messag$6) and chat&4	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/18 12:22
S15	0	(instant adj messag$6) and chat&4	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/18 12:27
S17	12	IM and (instant adj messag$6) and chat$4 and S8	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/18 12:27
S18	0	("2004/0230659").URPN.	USPAT	OR	ON	2006/01/19 14:51
S19	2538	(instant adj messag$6) and chat$4	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/04/05 11:17
S20	2926	(709/227).CCLS.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/01/19 15:10
S21	1576	(709/204).CCLS.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/01/19 15:10
S22	1	("6987991").PN.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/01/20 09:43
S23	5	("20020077135" | "20020156866" | "20030107555" | "6021313" | "6539240").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/20 10:05
S24	2	("2002/0077135").URPN.	USPAT	OR	ON	2006/01/20 11:44

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S25	2	("5956491").PN.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/01/20 11:44
S26	4	("4525779" | "5008853" | "5528671" | "5659692").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/20 11:53
S27	2	("5854893").PN.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/01/20 11:55
S28	2	("5574843").PN.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/01/20 11:55
S29	36	("4315315" | "4449180" | "4455619" | "4536840" | "4546435" | "4569019" | "4644423" | "4656603" | "4681548" | "4689022" | "4723210" | "4734764" | "4736320" | "4739477" | "4779080" | "4813013" | "4821211" | "4821220" | "4827404" | "4860204" | "4872167" | "4885717" | "4893256" | "4899136" | "4905163" | "4931950" | "4953080" | "5010500" | "5072412" | "5084813" | "5204947" | "5208665" | "5208745" | "5214756" | "5220657" | "5317732").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/20 11:55
S30	26	("5574843").URPN.	USPAT	OR	ON	2006/01/20 11:58
S31	11	("4785391" | "5345067" | "5574843" | "5748192" | "5754873" | "5771342" | "5790094" | "5880709" | "5898419" | "5977979" | "6034661").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/20 12:28
S32	36	("4315315" | "4449180" | "4455619" | "4536840" | "4546435" | "4569019" | "4644423" | "4656603" | "4681548" | "4689022" | "4723210" | "4734764" | "4736320" | "4739477" | "4779080" | "4813013" | "4821211" | "4821220" | "4827404" | "4860204" | "4872167" | "4885717" | "4893256" | "4899136" | "4905163" | "4931950" | "4953080" | "5010500" | "5072412" | "5084813" | "5204947" | "5208665" | "5208745" | "5214756" | "5220657" | "5317732").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/20 13:36

S33	56	chat$4 and IM and (instant ADj messag$4) and theme	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/20 13:38
S34	9	("20010036839" | "20020023131" | "20020090069" | "20020091777" | "5428784" | "5835130" | "6226362" |."6282565" | "6501834").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/20 13:39
S35	0	("6760754").URPN.	USPAT	OR	ON	2006/01/20 13:41
S36	15	("20020026483" | "20020034281" | "20020059144" | "20020116275" | "20030007625" | "5826064" | "6026156" | "6229880" | "6252588" | "6349327" | "6397184" | "6427064" | "6510452" | "6519771" | "6574604").PN:	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/20 13:42
S37	64	("5204947" | "5377354" | "5499109" | "5508817" | "5513126" | "5548789" | "5572643" | "5574843" | "5619648" | "5623603" | "5627764" | "5630060" | "5666542" | "5675507" | "5680619" | "5694163" | "5706502" | "5710883" | "5724574" | "5734835" | "5737599" | "5737619" | "5754700" | "5754765" | "5754851" | "5760773" | "5761673" | "5764235" | "5767846" | "5768505" | "5781741" | "5781785" | "5784058" | "5787470" | "5794039" | "5794259" | "5809512" | "5818435" | "5818447" | "5821926" | "5826102" | "5828839" | "5835683" | "5842020" | "5845299" | "5848415" | "5850446" | "5854893" | "5870544" | "5875322" | "5878223" | "5882202" | "5911776" | "5918012" | "5956491" | "5963217" | "5983190" | "5987503" | "5995093" | "6014688" | "6029164" | "6069622" | "6161107" | "6210172").PN. OR ("6684211"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 15:33
S38	64	S37 and @ad<"19980401"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 16:42
S39	2	S38 and (emoticon$1 or smil$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:28
S40	46	S38 and (messag$3 or chat$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 16:27

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S41	2	("5963217").PN.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/07/20 16:33
S42	2	("5812126").PN.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/07/20 16:33
S43	25	("4805222" | "4903218" | "5257306" | "5488686" | "5491743" | "5659691" | "5732232" | "5736982").PN. OR ("5812126"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 16:41
S44	10	S43 and @ad<"19980401"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:27
S45	138	(715/534).CCLS.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/07/20 17:27
S46	60	S45 and @ad<"19980401"	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/05 11:15
S47	0	S46 and (emoticon$1 or smil$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/05 11:16
S48	5703109	replac$3 NEAR3 (text or word or term) NEAR$3 (image$1 or emoticon$1 or (multimedia NEAR$1 object$1))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:31
S49	70468	S48 and pars$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:32
S50	17307	S49 and substitut$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:35
S51	202	S50 and smil$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:33
S52	35	S51 and mnemonic	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:34
S53	32213	S48 and (messager or messaging)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:39
S54	5489	S53 and substitut$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:38

S55	33	S54 and emoticon	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:38
S56	3720	S53 and @ad<"19980401"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:39
S57	668	S56 and substitut$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:44
S58	0	S57 and emoticon$1	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:38
S59	668	S57 and @ad<"19980401"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:49
S60	668	S57 and (messager or messaging)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:39
S61	6	S56 and (instant ADJ messag$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:45
S62	49	("5206934" | "5208912" | "5404488" | "5577247" | "5600834" | "5630116" | "5684984" | "5794039" | "5799151" | "5805830" | "5862325" | "5905863" | "5913059" | "5923846" | "5990887" | "6101532" | "6105055" | "6122632" | "6161149" | "6182117" | "6233600").PN. OR ("6484196"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:49
S63	21	S62 and @ad<"19980401"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:50
S64	2	("6069622").PN.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/04/04 17:02

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1 Work-in-progress: Emoticons convey emotions without cognition of faces: an fMRI study   ■

Masahide Yuasa, Keiichi Saito, Naoki Mukawa

April 2006 **CHI '06 extended abstracts on Human factors in computing systems CHI '06**

Publisher: ACM Press

Full text available: 🄟 pdf(823.14 KB)   Additional Information: full citation, abstract, references, index terms

In this paper, we describe the brain activities that are associated with emoticons by using functional MRI (fMRI). In communication over a computer network, we use abstract faces such as computer graphics (CG) avatars and emoticons. These faces convey users' emotions and enrich their communications. In particular, when we see some abstract faces, we feel that they are more vivid and lively than photorealistic faces. However, the manner in which these faces influence the mental process is as yet ...

Keywords: brain activity, emoticon, face mark, facial expression, functional MRI, life-like character, nonverbal communication, personified agent

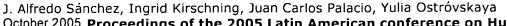**2** The effects of emotional icons on remote communication   ◼
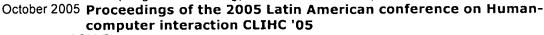
Krisela Rivera, Nancy J. Cooke, Jeff A. Bauhs

April 1996 **Conference companion on Human factors in computing systems: common ground CHI '96**

Publisher: ACM Press

Full text available: 🄟 pdf(246.99 KB)   Additional Information: full citation, references, citings, index terms

3 Towards mood-oriented interfaces for synchronous interaction   ■

J. Alfredo Sánchez, Ingrid Kirschning, Juan Carlos Palacio, Yulia Ostróvskaya

October 2005 **Proceedings of the 2005 Latin American conference on Human-computer interaction CLIHC '05**

Publisher: ACM Press

Full text available: 🄟 pdf(492.65 KB)   Additional Information: full citation, abstract, references

This paper presents an approach to representing emotions in synchronous text-based communication which facilitates setting, conveying and perceiving an intended mood in a continuing fashion. We posit that, while chatting, users typically remain in a continual mood for relatively extended periods of time, as compared to the instantaneous